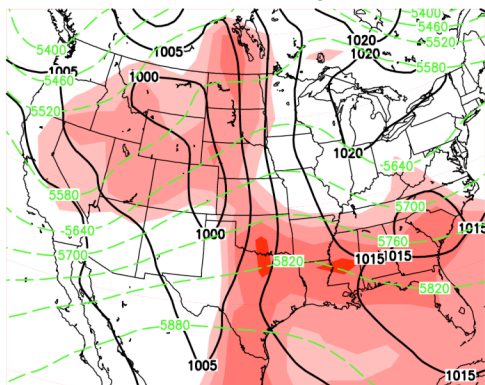


Electronic Supplement A to “The May 2003 Extended Tornado Outbreak”

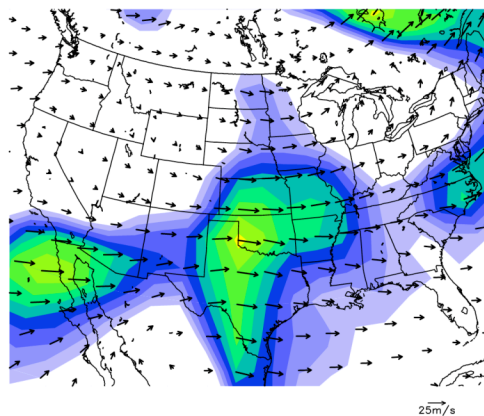
The following consists of a set daily maps of sea-level pressure (in hPa), 500 hPa geopotential height (in m), Lifted Indices (LI; in degrees C), and surface to 500 hPa wind shear (ms^{-1}). The top panels are the analyzed data, determined from NCEP-NCAR reanalyses. The middle panels are 2-day forecasts valid at the same time as the analysis data. The bottom panels are 5-day forecasts.

Also attached are tornado tracks on each day of interest.

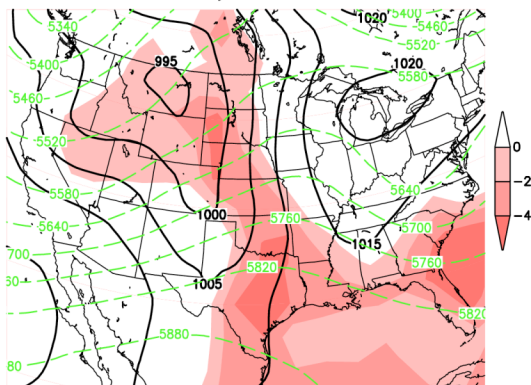
May 4, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



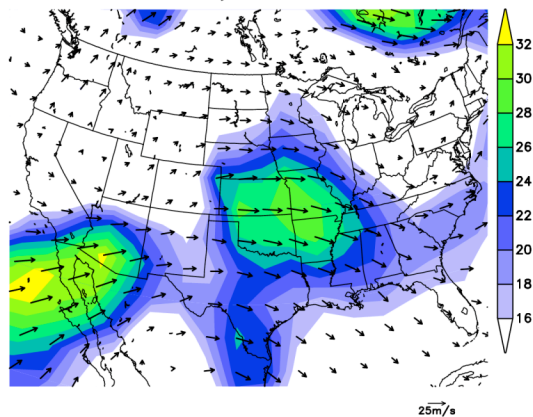
May 4, 2003 0000 UTC
Sfc-500 Wind Shear



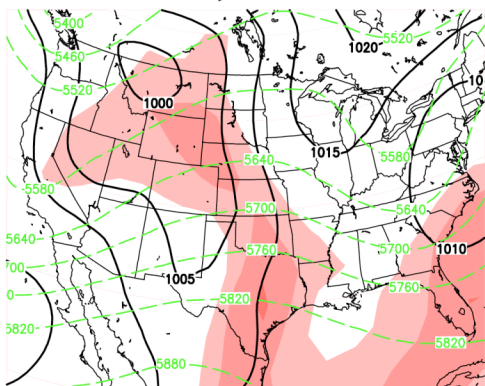
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

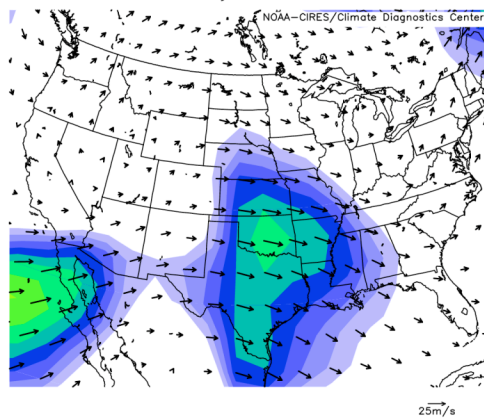


Figure A-1: Analyses, 2-day, and 5-day forecasts of sea-level pressure, 500 hPa height, Lifted Index, and surface-to-500 hPa wind shear valid on 0000 UTC 4 May 2003.

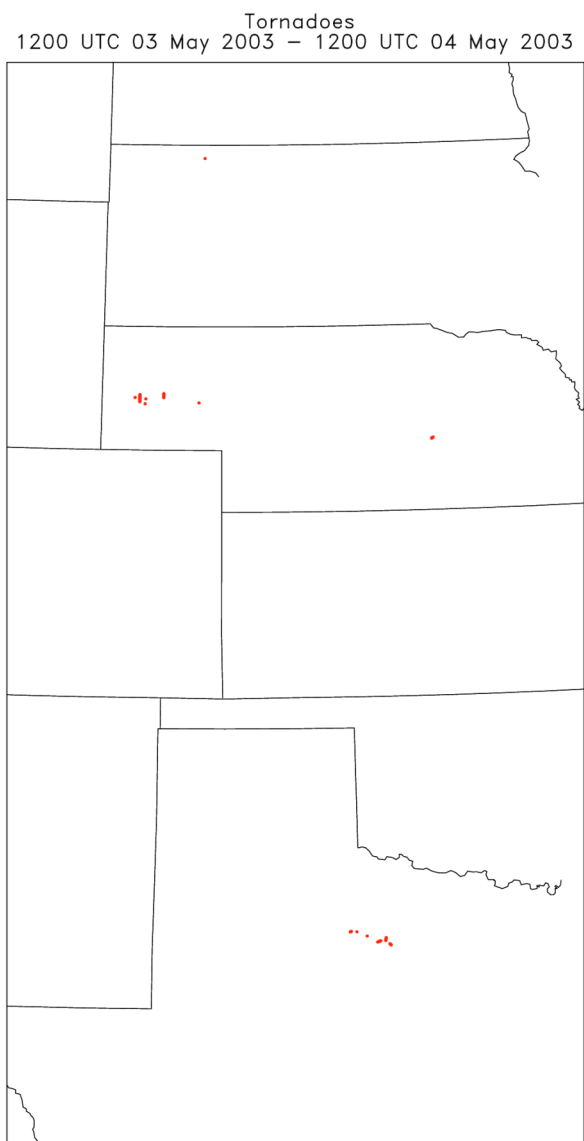
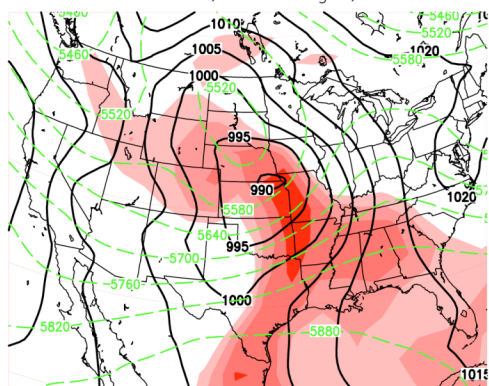
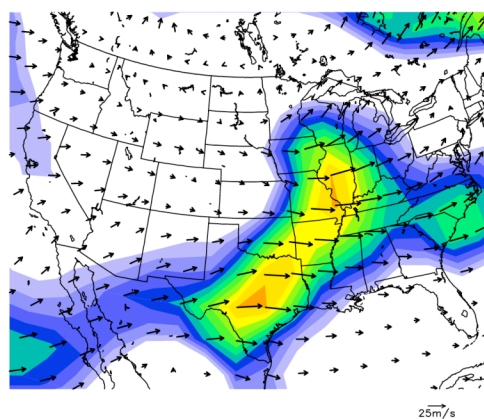


Figure A-2: Tornado reports from 1200 UTC 3 May 2003 to 1200 UTC 4 May 2003.

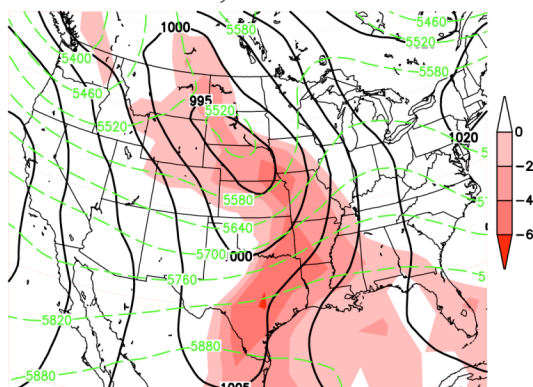
May 5, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



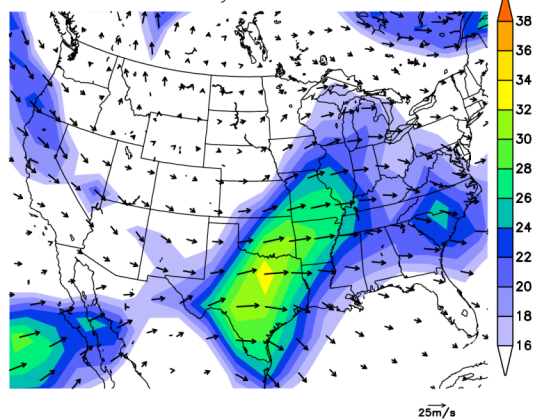
May 5, 2003 0000 UTC
Sfc-500 Wind Shear



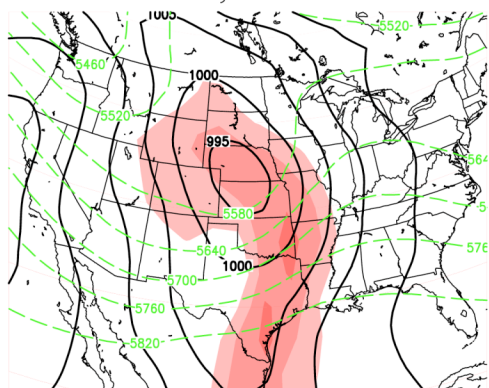
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

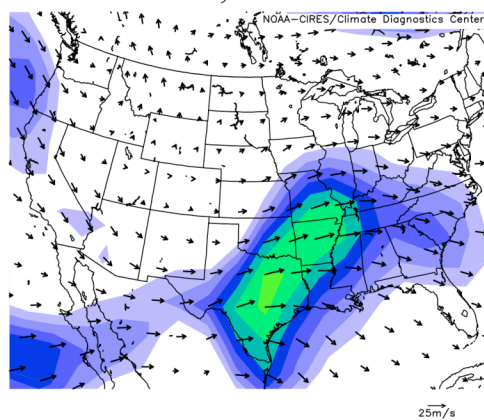


Figure A-3: As in Fig A-1, but for 0000 UTC 5 May 2003.

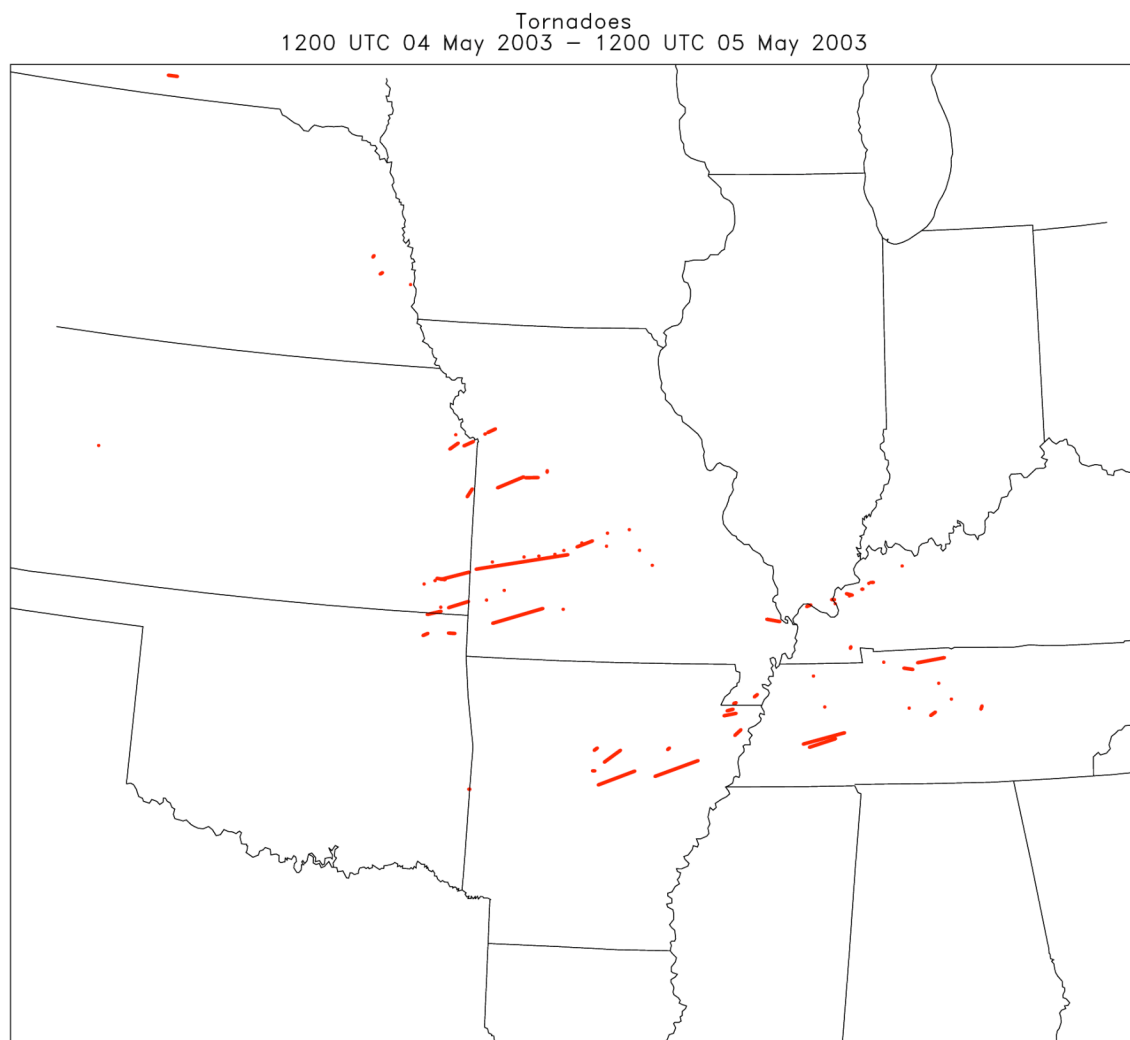
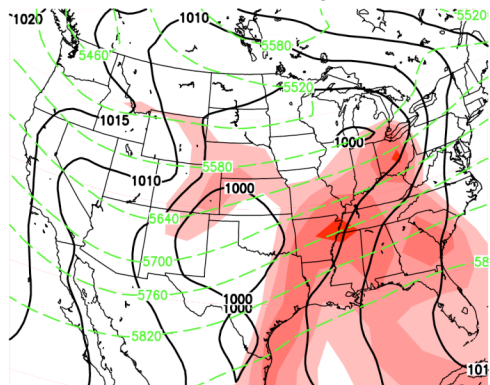
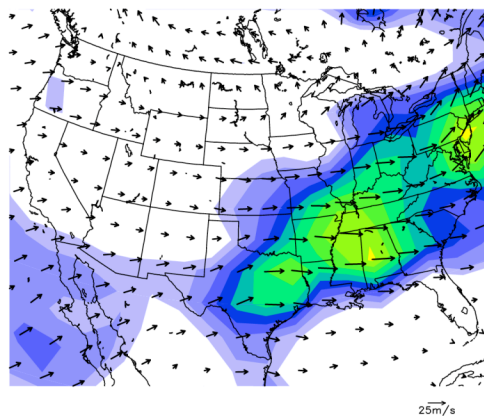


Figure A-4: Tornado reports from 1200 UTC 4 May 2003 to 1200 UTC 5 May 2003.

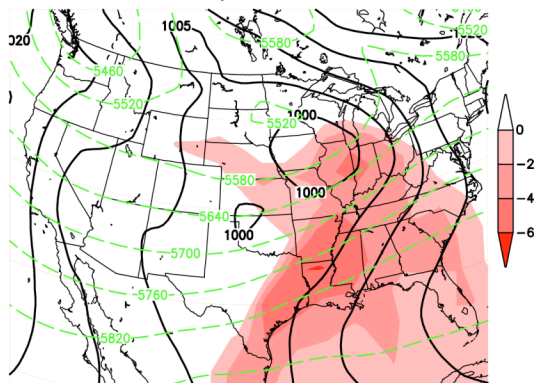
May 6, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



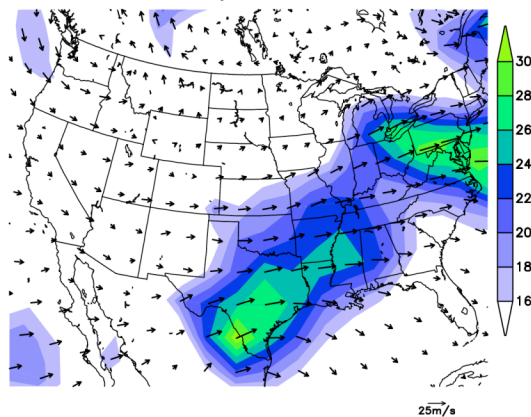
May 6, 2003 0000 UTC
Sfc-500 Wind Shear



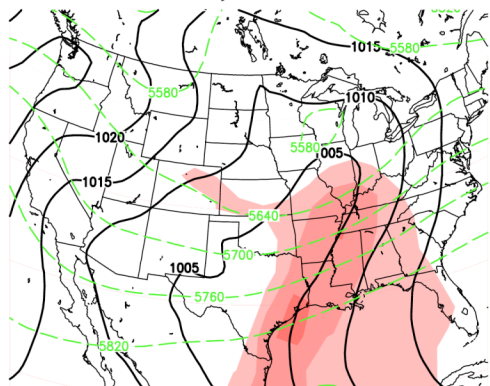
2-Day Forecast



2-Day Forecast



5-Day Forecast



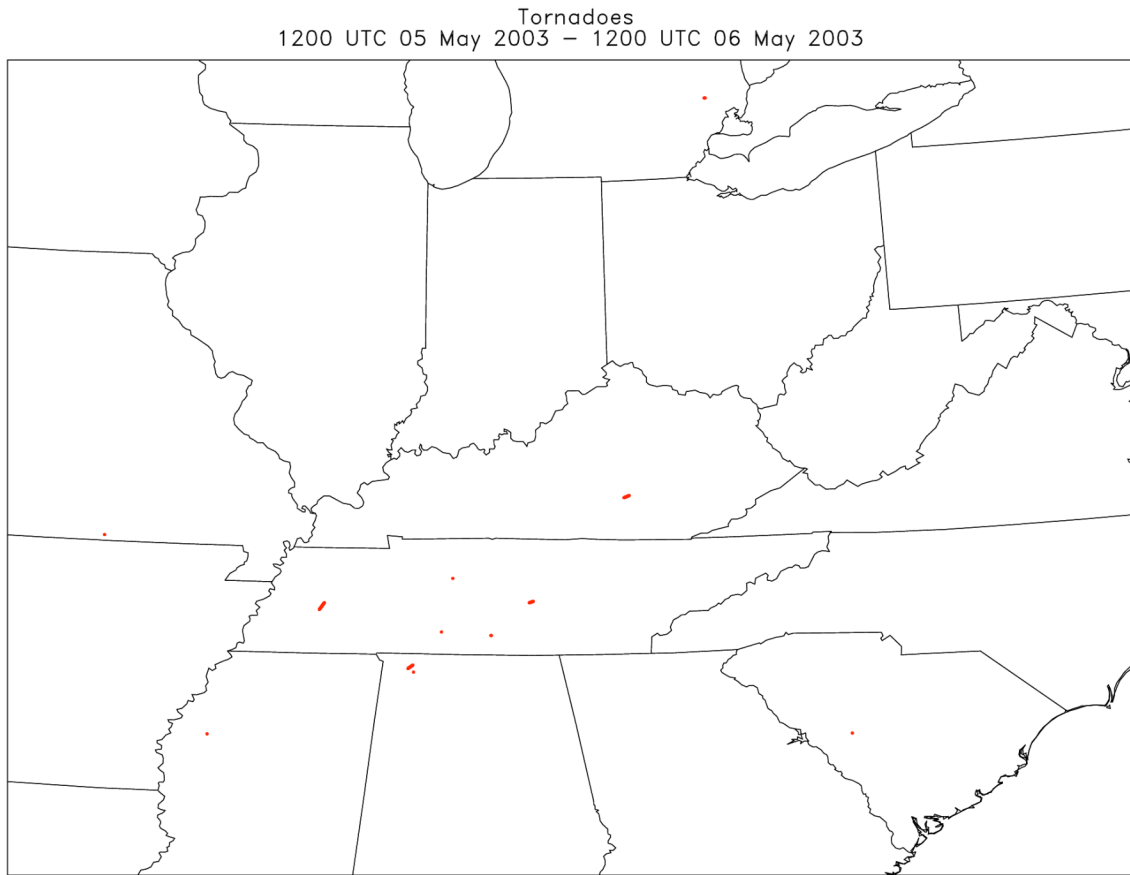
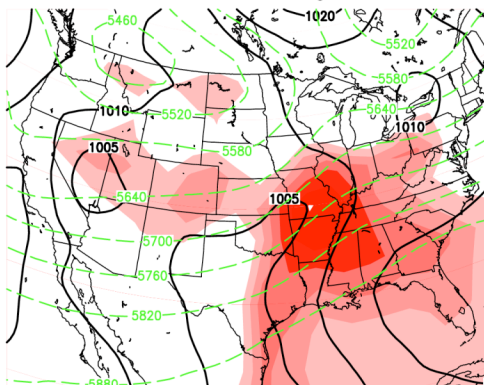
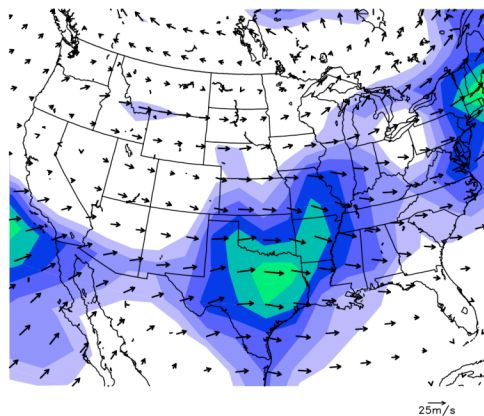


Figure A-6: Tornado reports from 1200 UTC 5 May 2003 to 1200 UTC 6 May 2003.

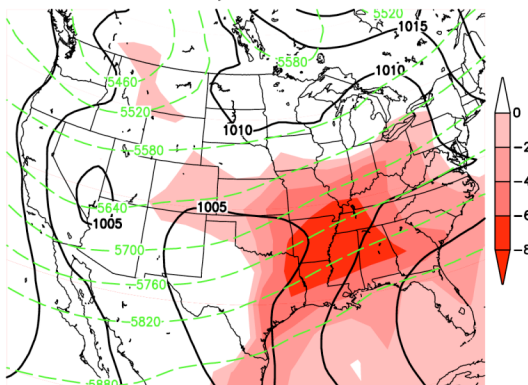
May 7, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



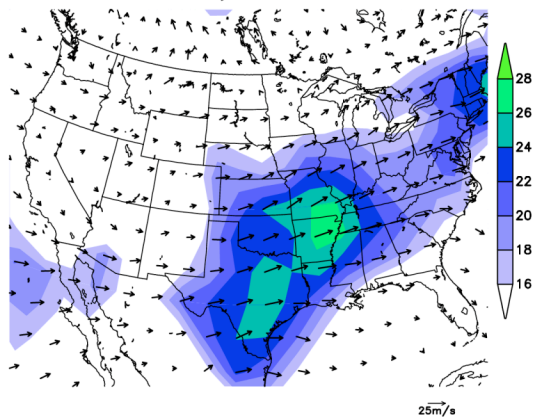
May 7, 2003 0000 UTC
Sfc-500 Wind Shear



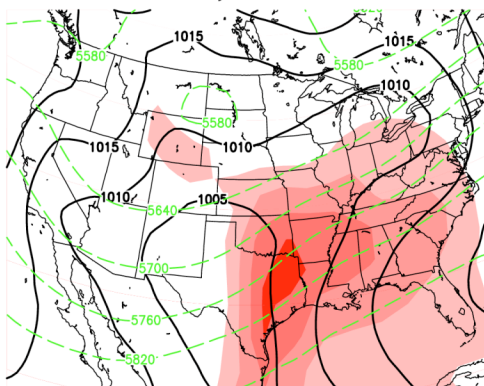
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

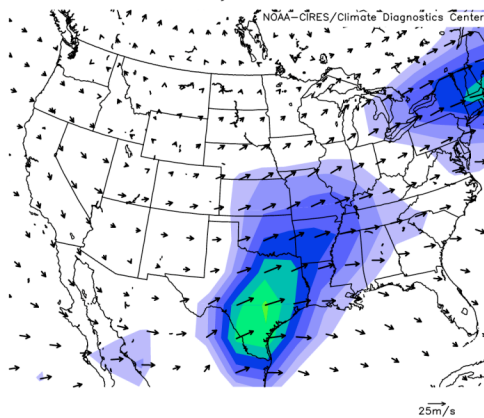


Figure A-7: As in Fig. A-1, but for 0000 UTC 7 May 2003.

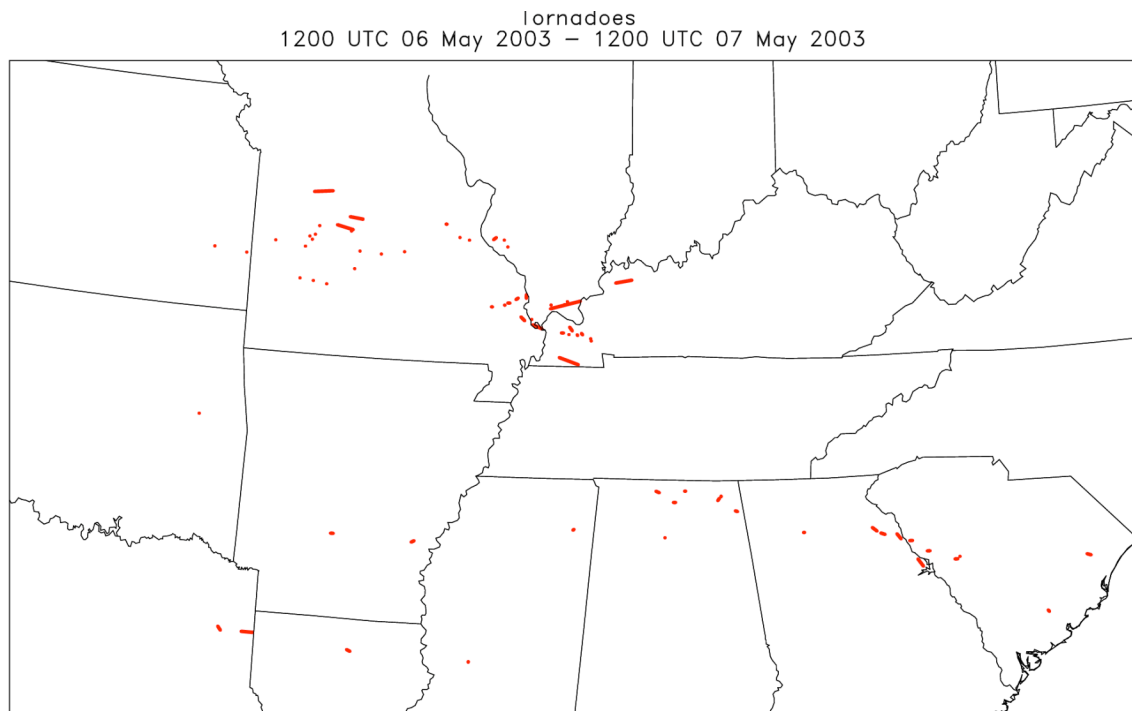
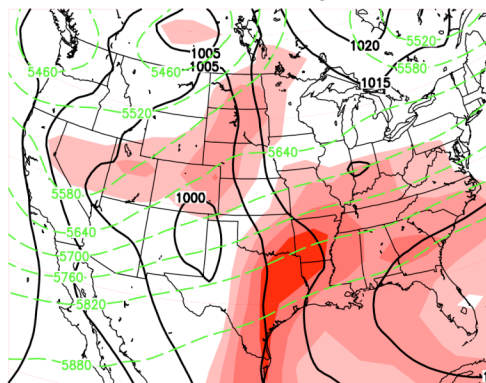
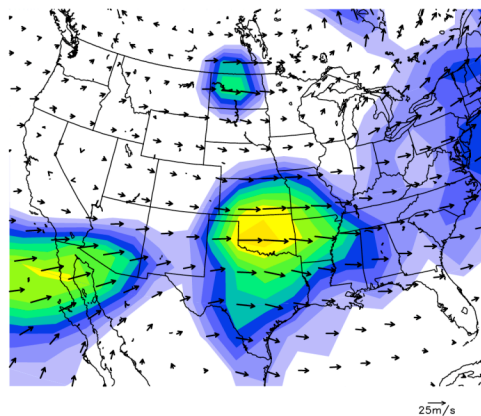


Figure A-8: Tornado reports from 1200 UTC 6 May 2003 to 1200 UTC 7 May 2003.

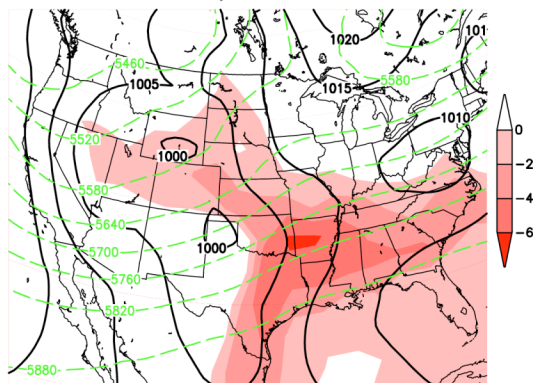
May 8, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



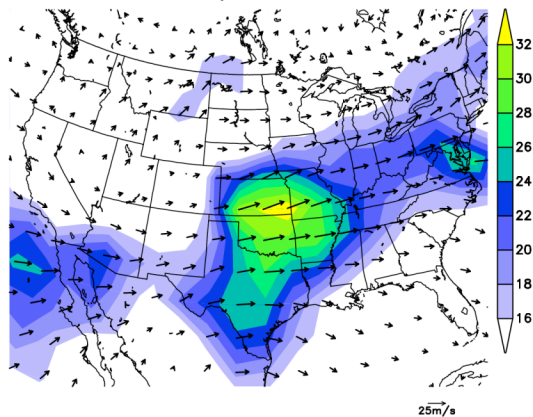
May 8, 2003 0000 UTC
Sfc-500 Wind Shear



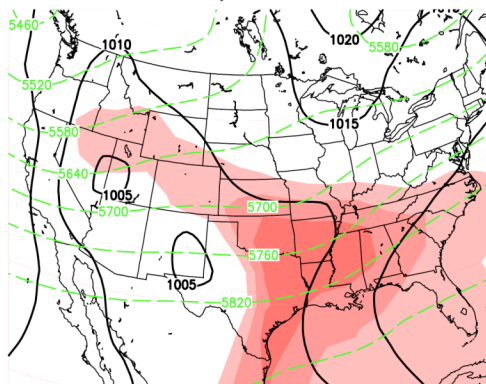
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

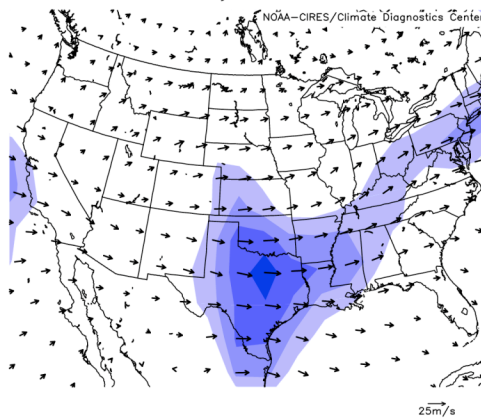


Figure A-9: As in Fig. A-1, but for 0000 UTC 8 May 2003.

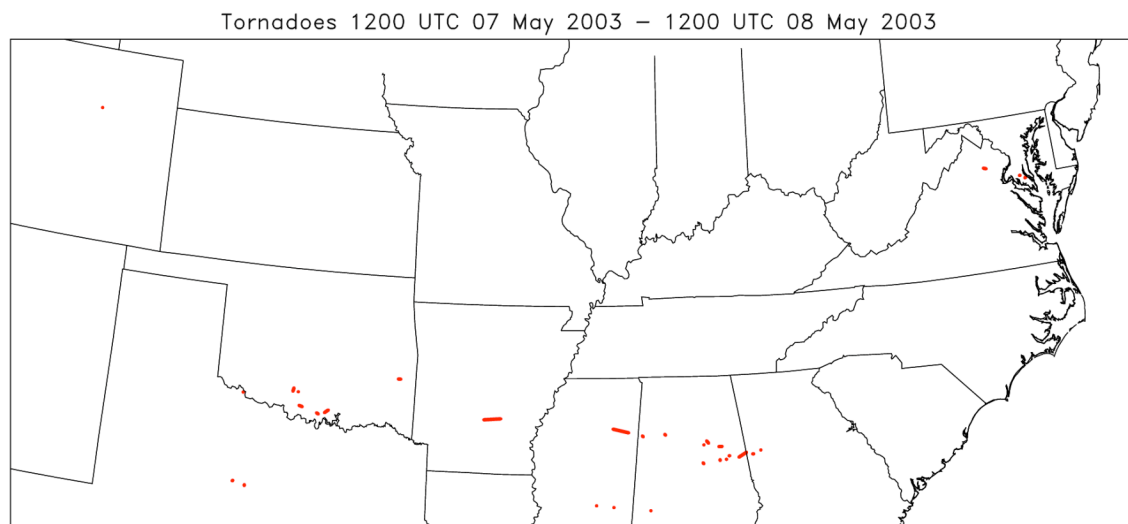
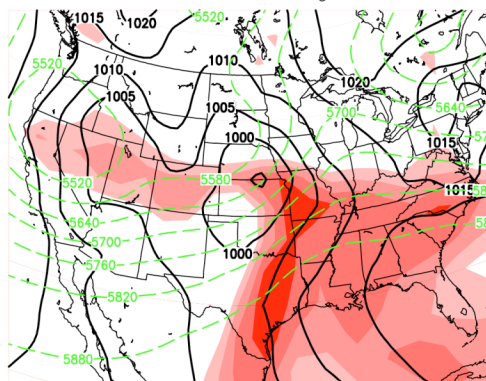
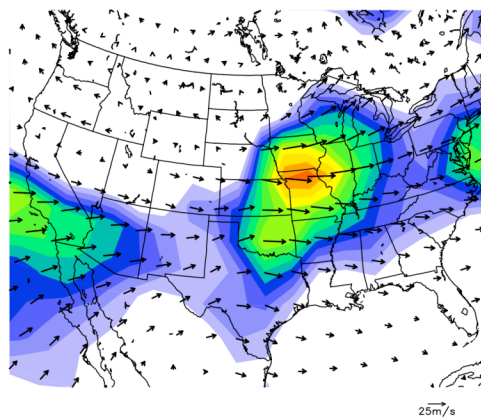


Figure A-10: Tornado reports from 1200 UTC 7 May 2003 to 1200 UTC 8 May 2003.

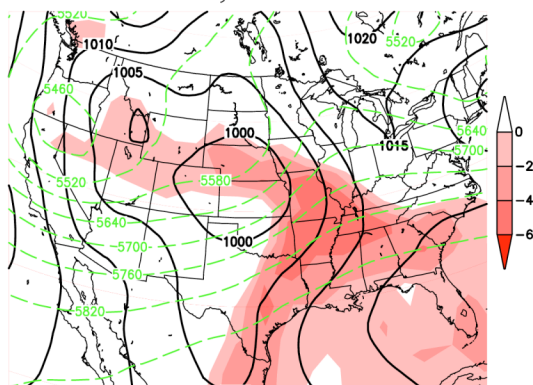
May 9, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



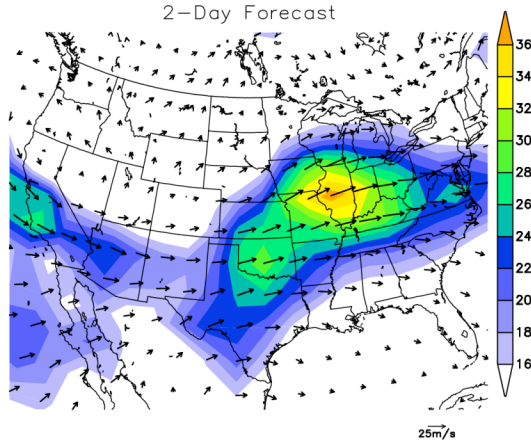
May 9, 2003 0000 UTC
Sfc-500 Wind Shear



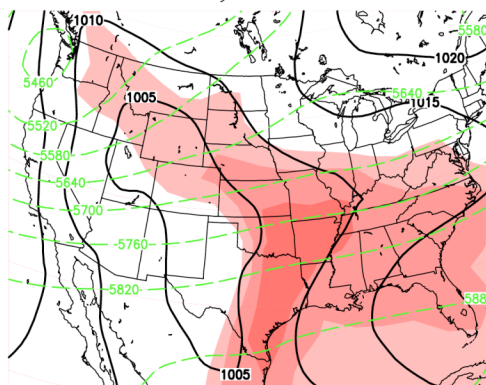
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

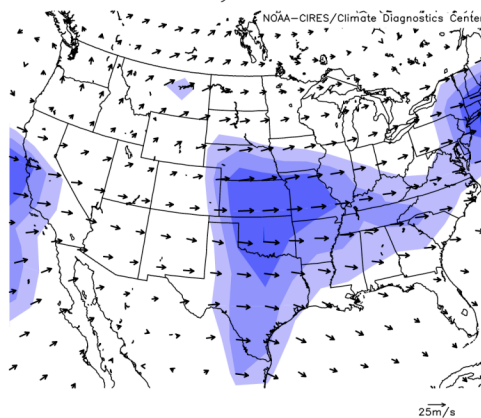


Figure A-11: As in Fig. A-1, but for 0000 UTC 9 May 2003.

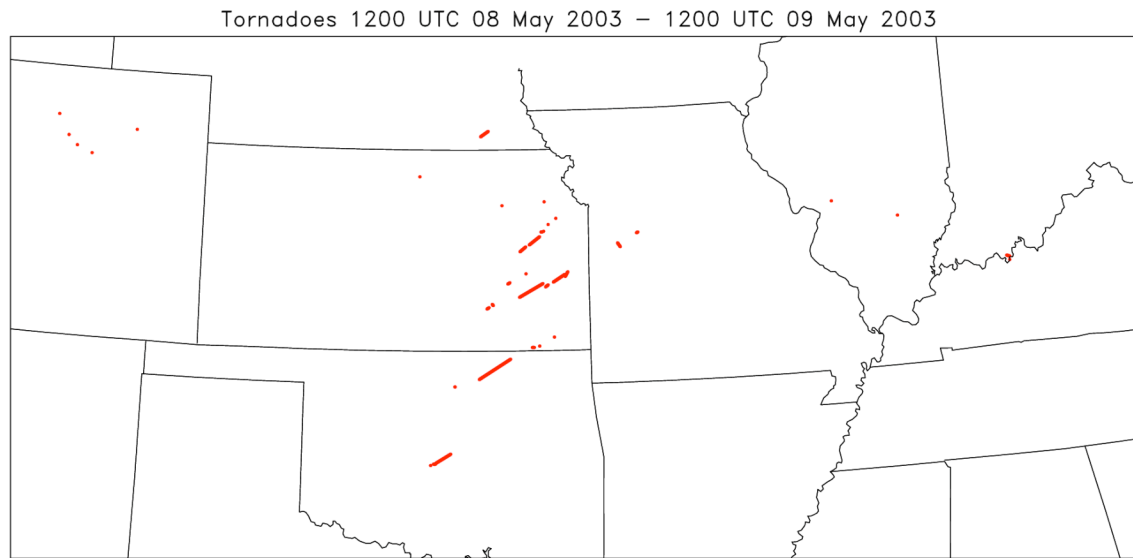
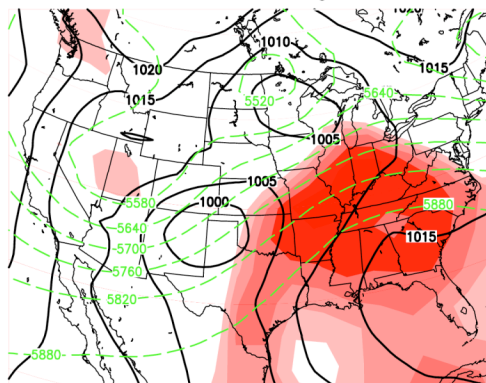
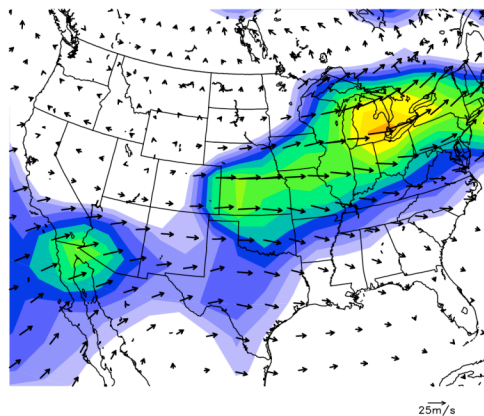


Figure A-12: Tornado reports from 1200 UTC 8 May 2003 to 1200 UTC 9 May 2003.

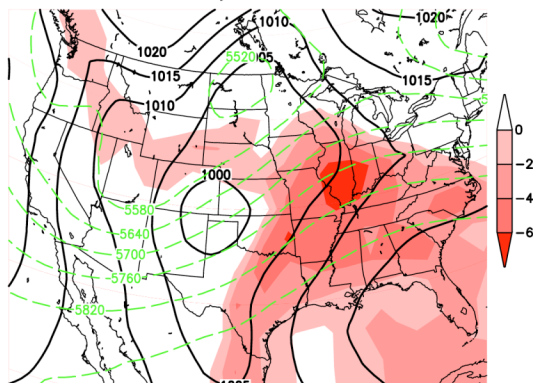
May 10, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



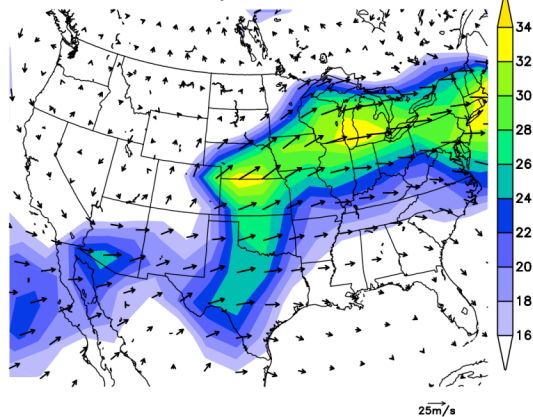
May 10, 2003 0000 UTC
Sfc-500 Wind Shear



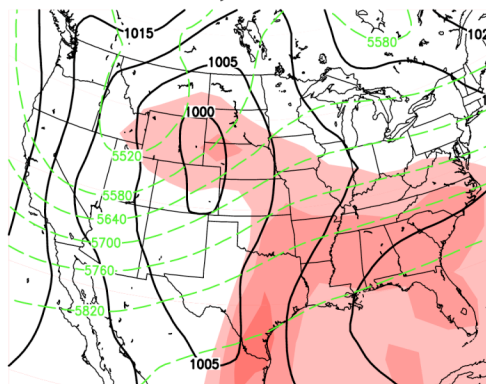
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

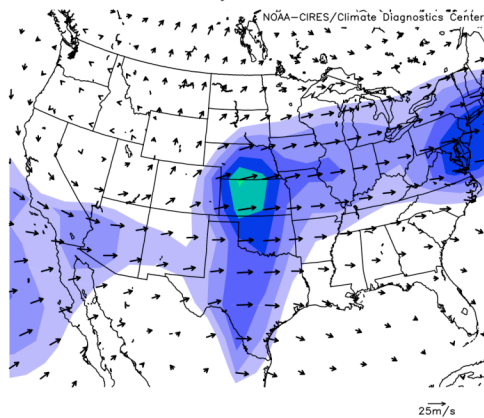


Figure A-13: As in Fig. A-1, but for 0000 UTC 10 May 2003.

Tornadoes 1200 UTC 09 May 2003 – 1200 UTC 10 May 2003

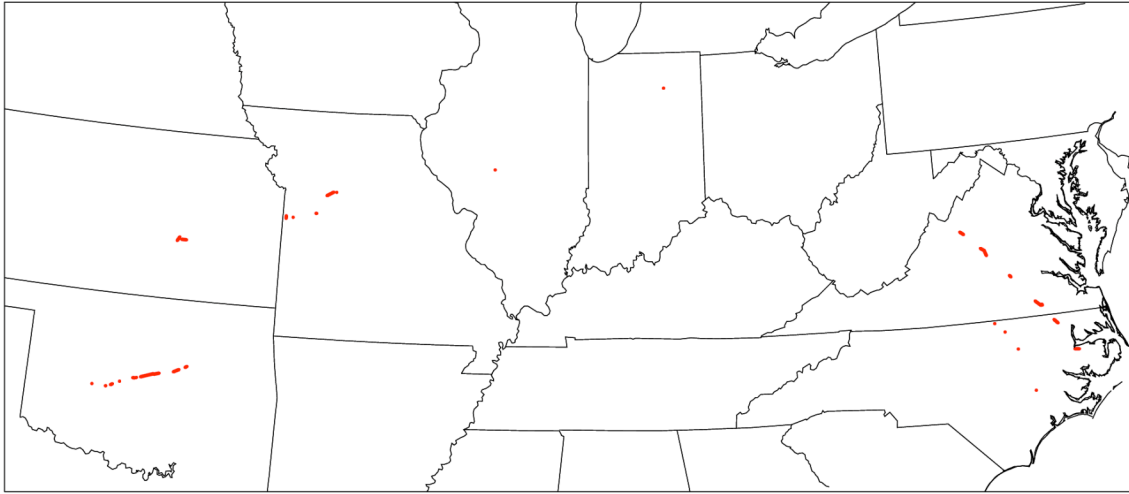
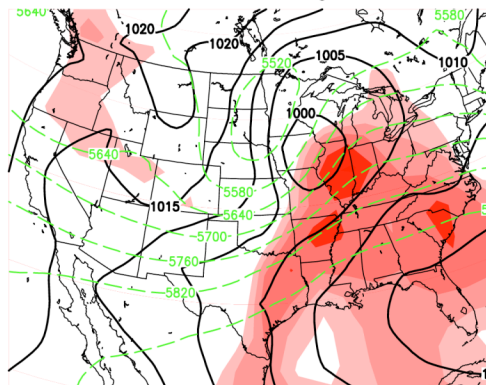
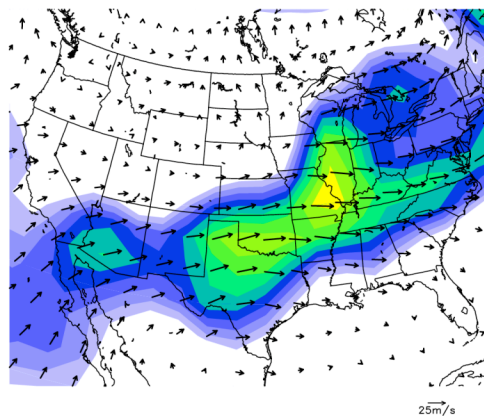


Figure A-14: Tornado reports from 1200 UTC 9 May 2003 to 1200 UTC 10 May 2003.

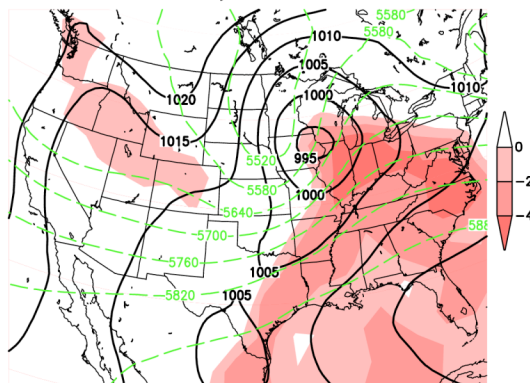
May 11, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



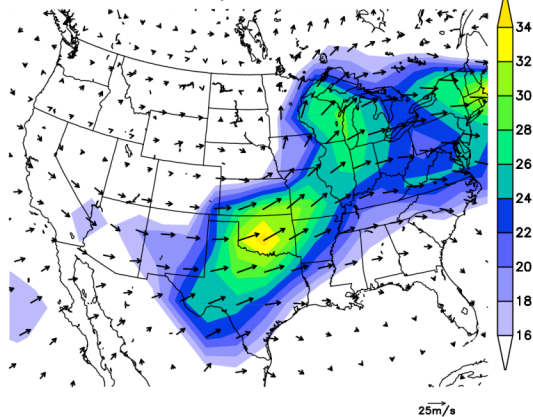
May 11, 2003 0000 UTC
Sfc-500 Wind Shear



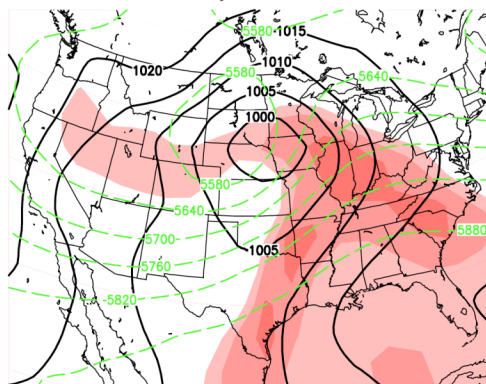
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

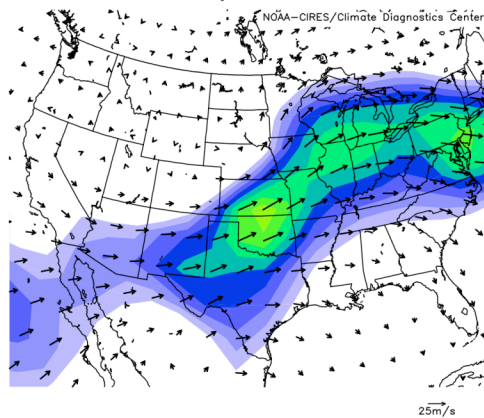


Figure A-15: As in Fig. A-1, but for 0000 UTC 11 May 2003.

Tornadoes 1200 UTC 10 May 2003 – 1200 UTC 11 May 2003

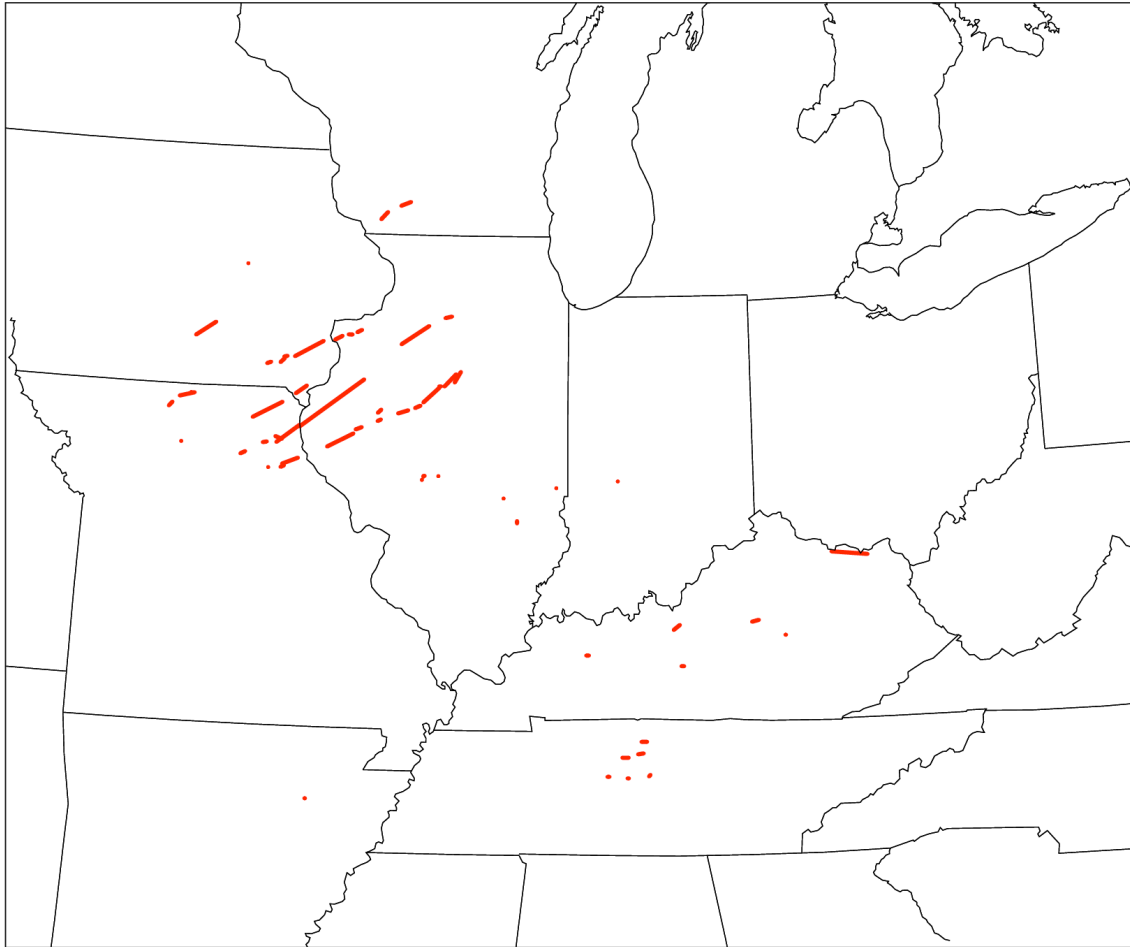
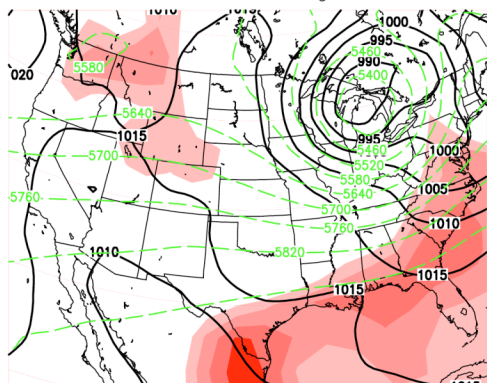
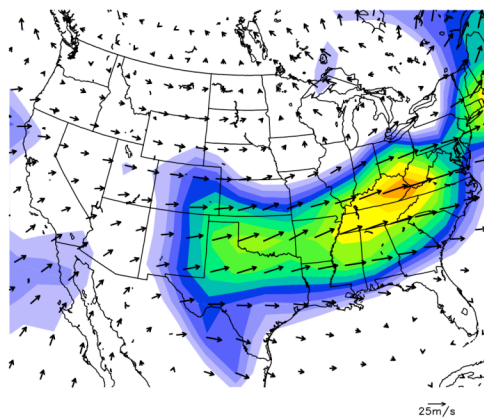


Figure A-16: Tornado reports from 1200 UTC 10 May 2003 to 1200 UTC 11 May 2003.

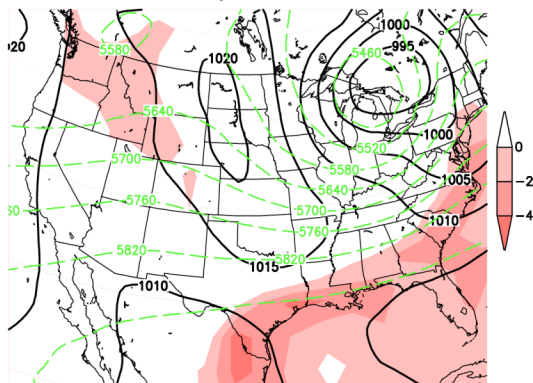
May 12, 2003 0000 UTC
Sea Level Pressure, 500 Height, Lifted Index



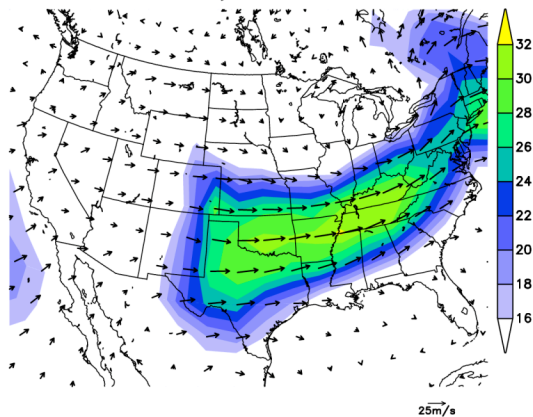
May 12, 2003 0000 UTC
Sfc-500 Wind Shear



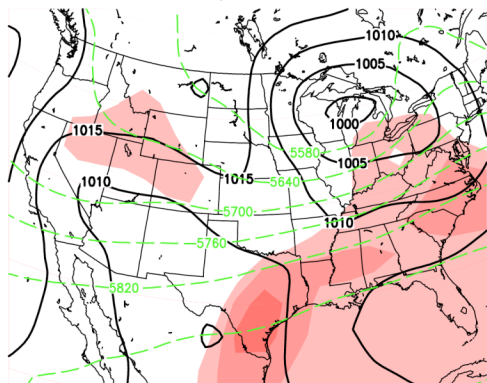
2-Day Forecast



2-Day Forecast



5-Day Forecast



5-Day Forecast

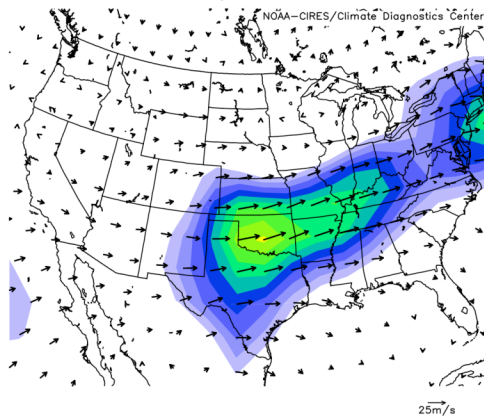


Figure A-17: As in Fig. A-1, but for 0000 UTC 12 May 2003.

Tornadoes 1200 UTC 11 May 2003 – 1200 UTC 12 May 2003



Figure A-18: Tornado reports from 1200 UTC 10 May 2003 to 1200 UTC 11 May 2003.